

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P694692

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2153.1 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

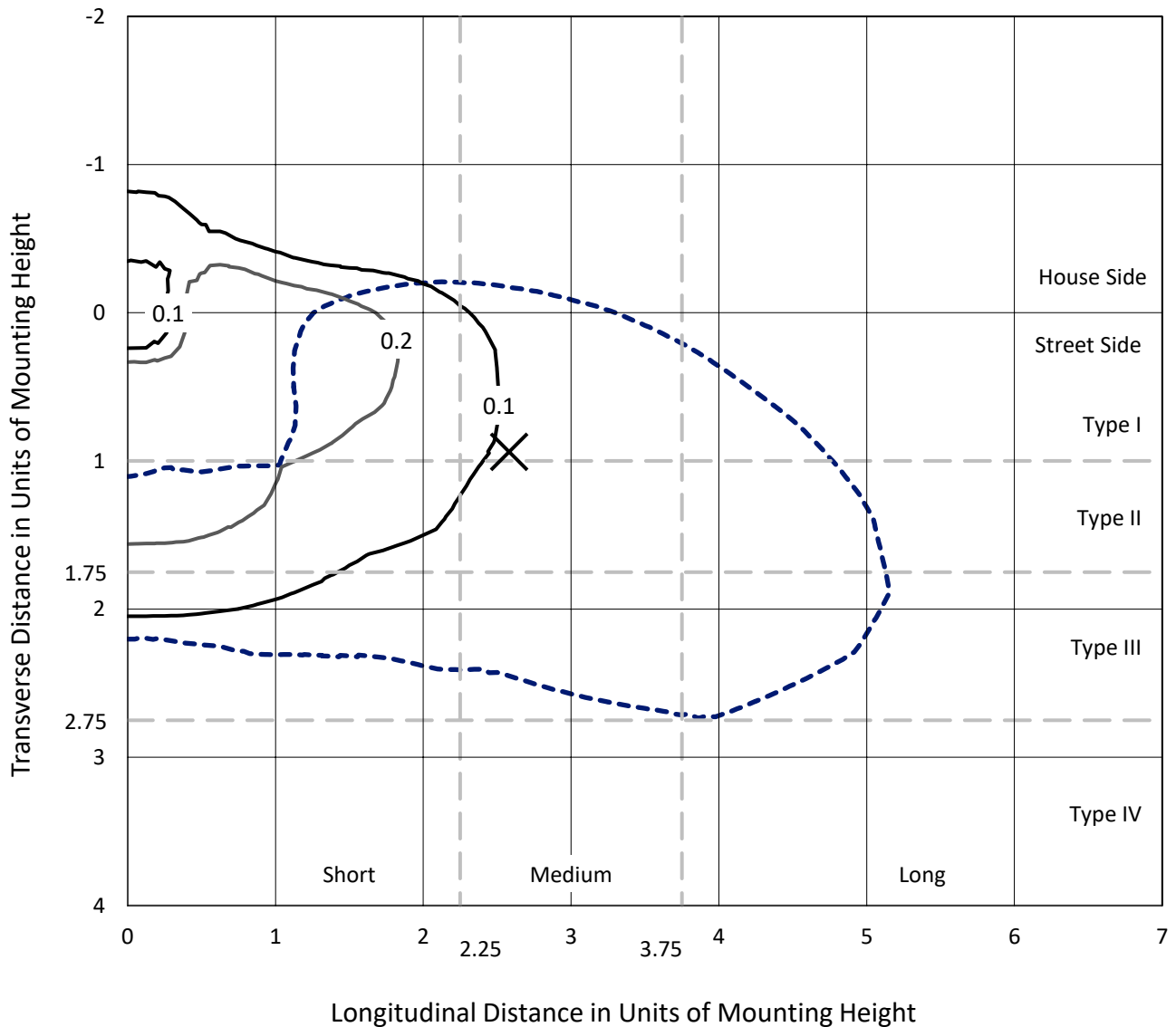
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

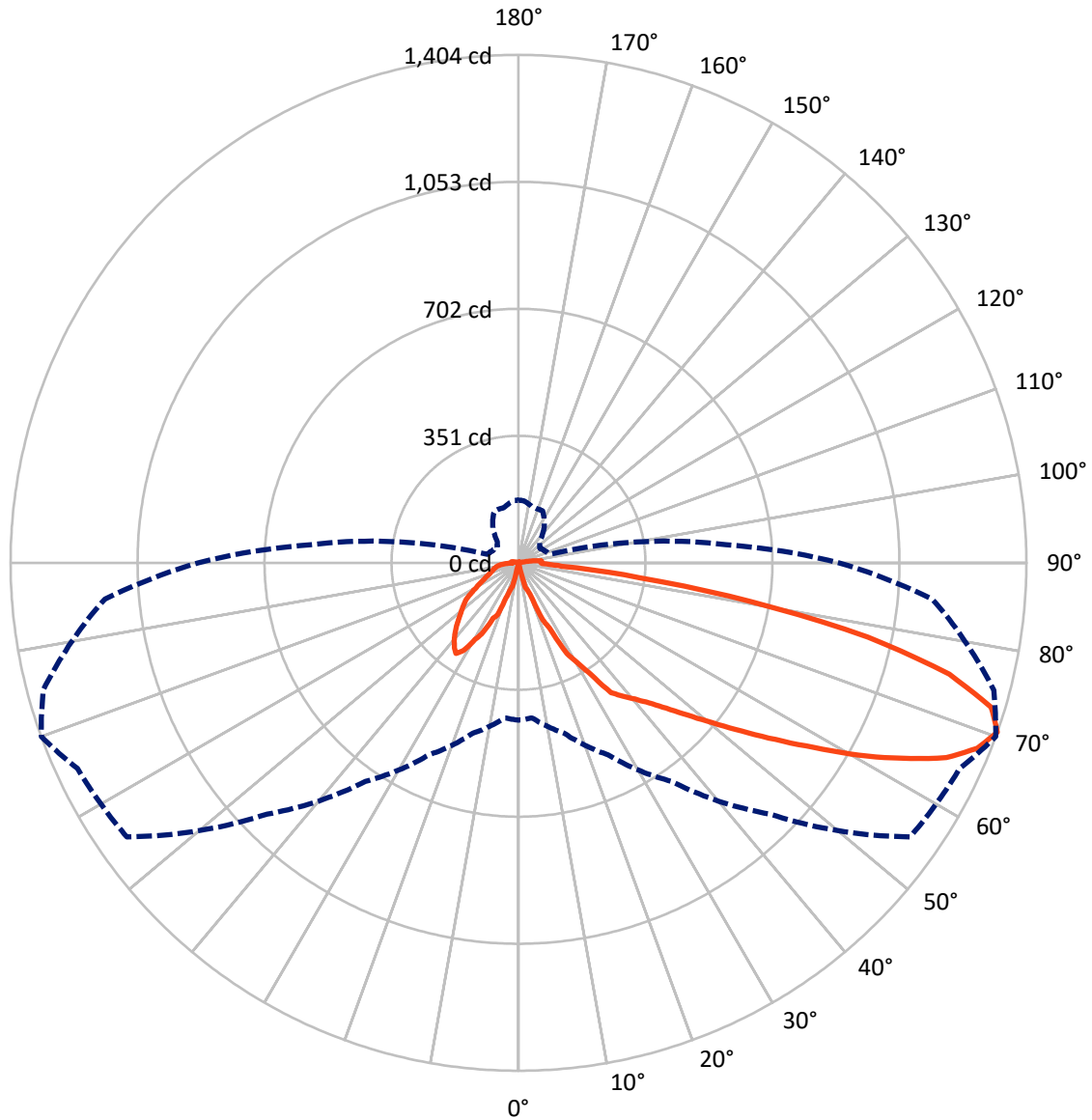
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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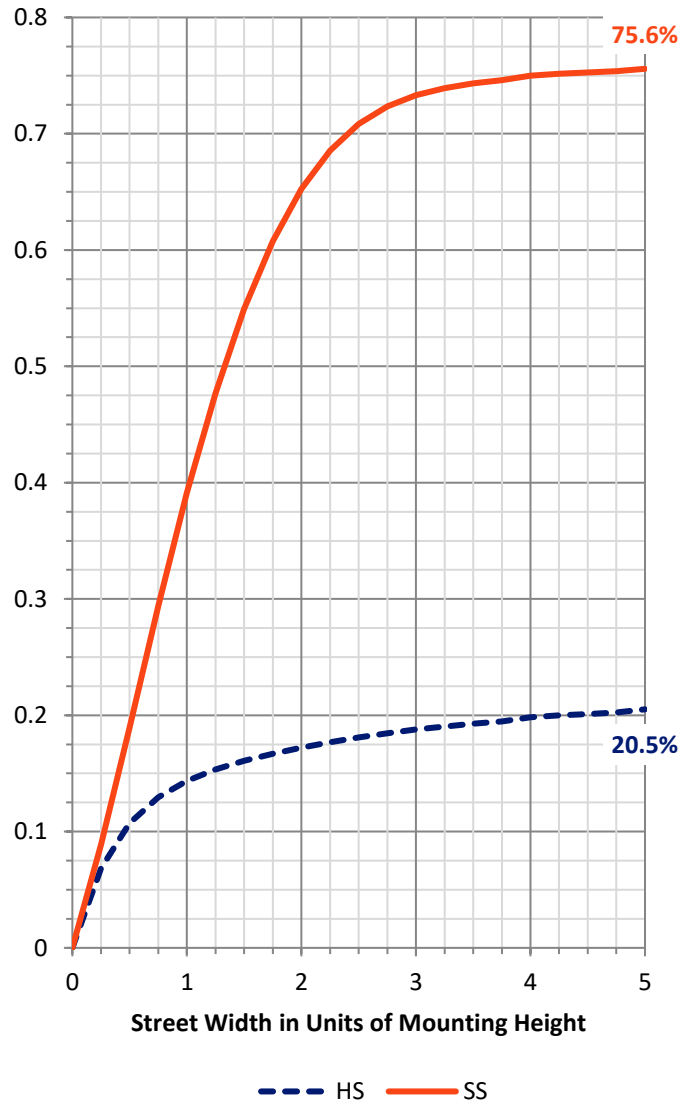
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	468.5	23.2	491.7
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	1640.9	20.5	1661.3
	% Fixture	76.2	1.0	77.2
Total	Lumens	2109.4	43.7	2153.1
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	15.4	0.7
20°-30°	88.0	4.1
30°-40°	203.1	9.4
40°-50°	297.5	13.8
50°-60°	440.0	20.4
60°-70°	577.0	26.8
70°-80°	391.9	18.2
80°-90°	96.4	4.5
90°-100°	31.7	1.5
100°-110°	5.7	0.3
110°-120°	2.3	0.1
120°-130°	1.8	0.1
130°-140°	1.3	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2109.4	98.0
0°-180°	2153.1	100.0

Coefficient of Utilization

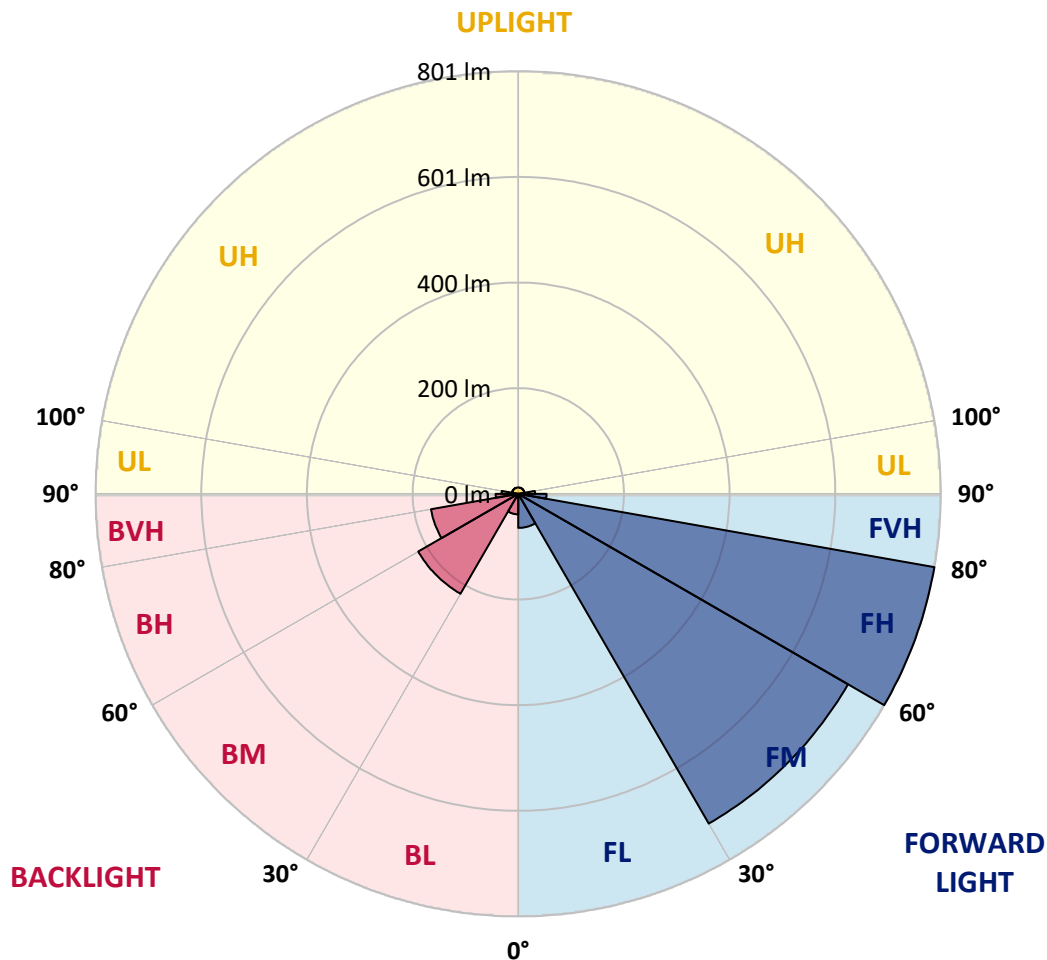


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.7	3.0			
FM (30°-60°)	721.7	33.5			
FH (60°-80°)	800.9	37.2			G1/1800
FVH (80°-90°)	53.6	2.5			G1/100
BL (0°-30°)	38.9	1.8	B0/110		
BM (30°-60°)	218.8	10.2	B0/220		
BH (60°-80°)	168.0	7.8	B1/500		G1/500
BVH (80°-90°)	42.8	2.0			G1/100
UL (90°-100°)	31.7	1.5		U2/50	
UH (100°-180°)	12.0	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5°	1.5	1.5	1.5	1.5	2.3	2.3	1.5	1.5	1.5	1.5	1.5
7.5°	2.3	1.5	1.5	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5
10°	12.8	13.6	9.0	5.3	3.8	2.3	2.3	2.3	2.3	2.3	2.3
12.5°	69.3	68.6	67.1	46.7	16.6	5.3	3.8	6.8	8.3	10.5	15.1
15°	78.4	79.1	76.9	76.1	71.6	27.1	14.3	63.3	69.3	70.1	70.1
17.5°	109.3	108.5	98.0	85.9	80.6	83.6	67.1	75.3	78.4	79.9	80.6
20°	183.8	183.1	180.8	154.5	99.5	122.1	118.3	89.7	94.9	122.1	155.2
22.5°	204.9	203.4	200.4	192.9	199.7	139.4	135.6	157.5	171.0	179.3	178.6
25°	314.2	317.2	261.5	217.0	220.8	190.6	204.9	203.4	199.7	201.2	203.4
27.5°	349.6	346.6	342.1	320.2	245.6	259.2	233.6	259.9	284.1	297.6	293.9
30°	448.3	447.6	394.1	356.4	322.5	281.0	290.8	327.8	319.5	321.7	309.7
32.5°	523.7	522.9	515.4	440.0	365.4	318.0	345.1	346.6	367.7	409.1	412.9
35°	553.0	550.0	544.8	489.8	415.9	374.5	364.7	428.7	440.8	442.3	431.7
37.5°	583.2	579.4	574.9	513.9	465.6	397.1	418.2	467.1	467.1	476.9	450.6
40°	600.5	600.5	599.8	534.2	488.2	417.4	444.5	496.5	495.0	501.8	476.9
42.5°	622.4	620.1	628.4	555.3	511.6	438.5	470.2	524.4	528.9	546.3	512.4
45°	653.3	656.3	660.0	600.5	543.3	469.4	500.3	568.1	572.6	596.0	563.6
47.5°	687.2	690.9	704.5	648.0	594.5	508.6	525.9	617.8	628.4	657.0	628.4
50°	729.4	730.1	749.7	695.5	660.0	564.3	572.6	666.1	693.9	719.6	702.2
52.5°	759.5	762.5	786.6	756.5	720.3	631.4	640.4	728.6	772.3	803.9	782.1
55°	785.9	788.1	810.7	803.2	770.8	682.6	728.6	813.0	862.0	889.1	880.1
57.5°	795.7	797.9	831.8	837.9	822.0	747.4	821.3	896.6	962.2	992.3	977.2
60°	788.9	788.9	830.3	862.7	878.5	819.0	919.2	990.8	1079.7	1100.1	1105.3
62.5°	766.3	772.3	822.8	873.3	919.2	889.1	1018.7	1107.6	1189.7	1208.6	1196.5
65°	716.5	718.1	771.6	850.7	923.8	965.2	1146.0	1206.3	1299.0	1292.2	1241.0
67.5°	622.4	611.8	658.5	770.0	874.0	1004.4	1252.3	1289.9	1367.5	1344.9	1229.7
70°	434.8	430.2	487.5	585.4	736.9	981.8	1320.8	1344.9	1403.7	1360.0	1147.5
72.5°	206.5	223.0	251.7	335.3	510.9	828.8	1302.0	1339.7	1366.0	1316.3	996.8
75°	90.4	92.7	107.7	152.2	263.0	523.7	1139.2	1203.3	1229.7	1173.1	785.1
77.5°	64.8	64.8	71.6	82.9	119.8	250.2	776.1	953.1	987.0	932.0	550.0
80°	50.5	50.5	55.8	63.3	74.6	103.2	483.7	638.9	651.0	569.6	306.7
82.5°	37.7	39.2	43.7	47.5	55.0	70.8	207.2	328.5	336.8	264.5	160.5
85°	27.1	27.1	30.1	30.1	36.2	55.0	107.0	120.6	119.8	106.2	99.5
87.5°	9.0	9.0	7.5	9.0	15.1	34.7	67.1	67.8	64.8	73.8	83.6
90°	10.5	10.5	7.5	8.3	11.3	31.6	64.8	64.8	61.8	66.3	83.6
92.5°	11.3	11.3	8.3	8.3	9.8	27.9	65.6	68.6	64.8	67.1	82.9
95°	11.3	11.3	8.3	7.5	9.0	18.8	63.3	63.3	61.0	59.5	65.6
97.5°	6.8	6.8	5.3	6.0	7.5	9.8	37.7	39.2	34.7	27.1	35.4
100°	4.5	4.5	3.8	4.5	5.3	5.3	18.1	18.8	14.3	6.8	7.5
102.5°	4.5	4.5	3.0	3.8	3.0	3.0	5.3	6.8	4.5	4.5	6.0
105°	4.5	5.3	2.3	2.3	2.3	2.3	2.3	4.5	3.8	3.8	6.0
107.5°	4.5	4.5	2.3	2.3	2.3	2.3	1.5	2.3	3.0	3.8	6.8
110°	2.3	3.0	1.5	2.3	1.5	2.3	1.5	2.3	3.0	3.0	5.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	1.5	1.5	0.8	1.5	1.5	1.5	1.5	2.3	2.3	2.3	3.8
115°	1.5	1.5	0.8	0.8	0.8	1.5	1.5	1.5	2.3	2.3	3.8
117.5°	1.5	1.5	0.8	0.8	0.8	0.8	1.5	1.5	1.5	2.3	3.8
120°	2.3	1.5	0.8	0.8	0.8	0.8	1.5	1.5	2.3	2.3	3.8
122.5°	2.3	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	2.3	3.8
125°	2.3	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	2.3	3.8
127.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	2.3	3.8
130°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	2.3	3.0
132.5°	1.5	1.5	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	3.0
135°	1.5	1.5	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	2.3
137.5°	1.5	1.5	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
150°	2.3	2.3	2.3	1.5	1.5	0.8	1.5	1.5	1.5	1.5	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
7.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
10°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
12.5°	13.6	13.6	10.5	5.3	2.3	1.5	1.5	1.5	2.3	3.8	3.0
15°	71.6	71.6	70.1	64.0	13.6	3.8	3.0	6.8	30.1	54.2	55.0
17.5°	82.1	81.4	79.9	76.1	67.8	24.1	23.4	63.3	67.8	70.8	71.6
20°	154.5	153.0	118.3	84.4	73.8	73.1	64.0	71.6	73.8	75.3	76.1
22.5°	176.3	174.1	165.8	146.2	84.4	99.5	93.4	77.6	116.0	124.3	124.3
25°	202.7	196.7	180.1	157.5	143.9	104.7	107.7	113.0	119.8	121.3	121.3
27.5°	288.6	283.3	259.2	173.3	154.5	123.6	125.1	114.5	120.6	137.9	140.1
30°	302.1	293.9	272.0	214.0	160.5	138.6	119.8	134.1	140.9	140.1	140.9
32.5°	402.4	394.1	349.6	220.0	172.5	130.3	131.1	134.1	138.6	146.2	151.4
35°	418.2	409.1	358.7	250.2	165.0	129.6	129.6	135.6	156.0	159.0	159.0
37.5°	435.5	428.0	354.9	233.6	166.5	129.6	125.8	138.6	146.9	146.2	146.2
40°	465.6	453.6	345.1	213.2	151.4	124.3	125.8	130.3	134.9	130.3	128.1
42.5°	501.1	479.2	332.3	192.1	139.4	117.5	119.0	120.6	120.6	112.3	111.5
45°	546.3	505.6	314.9	172.5	128.1	109.3	113.0	110.8	110.8	104.0	103.2
47.5°	597.5	532.7	293.9	155.2	118.3	101.7	107.0	104.7	106.2	100.2	99.5
50°	657.0	568.1	273.5	142.4	110.0	98.0	101.0	104.0	106.2	98.7	98.0
52.5°	719.6	602.8	259.2	128.1	102.5	93.4	103.2	104.0	105.5	98.0	98.0
55°	796.4	645.7	241.9	117.5	97.2	89.7	108.5	108.5	106.2	99.5	98.7
57.5°	879.3	688.7	209.5	107.7	92.7	87.4	110.8	114.5	109.3	101.0	101.0
60°	956.2	731.6	172.5	100.2	88.2	86.6	112.3	117.5	113.0	105.5	105.5
62.5°	1014.9	752.7	144.7	94.2	82.9	84.4	111.5	123.6	122.1	118.3	118.3
65°	1021.7	733.9	121.3	88.9	78.4	83.6	110.0	129.6	130.3	136.4	137.1
67.5°	985.5	673.6	103.2	84.4	74.6	81.4	110.8	142.4	146.2	157.5	156.0
70°	886.1	575.6	89.7	79.1	71.6	82.1	124.3	158.2	157.5	171.8	173.3
72.5°	739.9	455.8	81.4	76.1	73.1	88.2	140.1	162.7	159.7	175.6	174.1
75°	561.3	321.7	74.6	72.3	70.8	89.7	143.9	158.2	152.2	162.7	161.2
77.5°	369.2	211.7	67.8	67.8	68.6	85.9	137.9	150.7	143.2	149.9	149.2
80°	208.0	125.8	61.0	64.0	65.6	82.1	128.8	140.1	132.6	137.9	137.9
82.5°	125.1	89.7	53.5	58.8	60.3	81.4	120.6	130.3	123.6	126.6	122.8
85°	85.1	65.6	42.2	49.7	56.5	78.4	113.8	120.6	108.5	106.2	103.2
87.5°	69.3	51.2	23.4	31.6	42.2	67.1	90.4	91.2	79.9	78.4	77.6
90°	67.8	47.5	16.6	17.3	27.9	46.7	59.5	57.3	53.5	54.2	53.5
92.5°	66.3	45.2	18.1	18.8	27.9	36.9	50.5	49.7	46.0	49.7	49.0
95°	56.5	39.2	18.8	20.3	24.1	22.6	36.9	39.2	36.2	38.4	39.2
97.5°	29.4	21.1	18.1	20.3	18.1	13.6	21.9	24.9	18.8	15.1	16.6
100°	9.8	6.8	18.1	21.1	13.6	9.8	15.8	18.1	11.3	4.5	4.5
102.5°	6.0	6.0	12.8	16.6	9.8	5.3	10.5	12.8	8.3	3.8	3.8
105°	6.0	6.0	5.3	9.0	3.8	3.0	3.8	6.8	4.5	3.8	3.8
107.5°	6.8	6.0	3.0	3.0	3.0	2.3	2.3	3.0	3.0	3.8	3.8
110°	6.0	5.3	3.0	3.0	2.3	2.3	2.3	2.3	3.0	4.5	4.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.8	4.5	3.0	2.3	2.3	2.3	2.3	2.3	3.0	4.5	4.5
115°	3.8	3.8	2.3	2.3	1.5	2.3	2.3	2.3	3.0	4.5	5.3
117.5°	4.5	3.8	2.3	1.5	1.5	1.5	1.5	2.3	3.0	5.3	5.3
120°	4.5	3.8	2.3	2.3	1.5	1.5	1.5	2.3	3.0	5.3	6.0
122.5°	4.5	3.8	2.3	1.5	1.5	1.5	1.5	2.3	3.0	5.3	6.0
125°	3.8	3.8	2.3	1.5	1.5	1.5	1.5	2.3	3.0	5.3	5.3
127.5°	3.8	3.8	2.3	1.5	1.5	1.5	1.5	2.3	3.0	5.3	5.3
130°	3.8	3.0	2.3	1.5	1.5	1.5	1.5	2.3	3.0	4.5	5.3
132.5°	3.0	3.0	2.3	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5
135°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.0	3.8
137.5°	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	2.3	2.3	3.0
140°	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	1.5	2.3	2.3
142.5°	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	1.5	2.3	2.3
145°	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	1.5	2.3	2.3
147.5°	2.3	1.5	1.5	1.5	0.8	0.8	1.5	1.5	1.5	2.3	2.3
150°	2.3	1.5	1.5	0.8	0.8	0.8	0.8	1.5	1.5	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)